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Assistant Professor

Professional specialty:

Veterinary Public Health, Microbiology,
Natural Product Chemistry, Molecular
Biology, Phytochemical Ecology

Lectures:

Veterinary Public Health, Veterinary
Parasitology, Veterinary Bacteriology,
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Educational Background

Ph.D., Graduate Institute of Microbiology and Public Health, National Chung Hsing University, Taiwan

Master of Veterinary Medical Science, Graduate Institute of Microbiology and Public Health, National Chung Hsing University, Taiwan

Bachelor of Veterinary Science, National Chung-Hsing University, Taiwan

Current Position and Professional Career

Assistant Professor, Department of Veterinary Medicine, NCYU, 08/2020-now

Areas of Interest and Achievements

Veterinary Public Health, Microbiology, Natural Product Chemistry, Molecular Biology, Phytochemical Ecology

Selected Publications

1. Lee YH, **CM Wang**, PY Liu, CC Cheng, ZY Wu, SY Tseng, KC Tung. (2018) Volatile oils of *Nepeta tenuifolia* (Jing Jie) as an alternative medicine against multidrug-resistant pathogenic microbes. **Can J Infect Dis Med Microbiol.** 2018; 8347403. (SCI: Impact factor: 1.52)
2. Yang JS, **CM Wang**, CH Su, HC Ho, CH Chang, CH Chou, YM Hsu. (2018) Eudesmin attenuates *Helicobacter pylori*-induced epithelial autophagy and apoptosis and leads to eradication of *H. pylori* infection. **Exp Ther Med.**15: 2388-2396 (SCI: Impact factor: 1.785)

3. **Wang CM**, KL Yeh, SJ Tsai, YL Jhan, CH Chou. (2017) Anti-proliferative activity of triterpenoids and sterols isolated from *Alstonia scholaris* against Non-Small-Cell Lung Carcinoma Cells. **Molecules**. 22: 2119 (SCI: Impact factor:3.267)
4. **Wang CM**, YL Jhan, SJ Tsai, CH Chou. (2016) The pleiotropic antibacterial mechanisms of ursolic acid against methicillin-resistant *Staphylococcus aureus* (MRSA). **Molecules**. 21: 884 (SCI: Impact factor: 3.267)
5. **Wang CM**, HT Chen, ZY Wu, YL Jhan, CL Shyu, CH Chou. (2016) Antibacterial and synergistic activity of pentacyclic triterpenoids isolated from *Alstonia scholaris*. **Molecules**. 21: 139 (SCI: Impact factor: 3.267)
6. Way TD, SJ Tsai, **CM Wang**, YL Jhan, CT Ho, CH Chou*. (2015) Cinnamtannin D1 from *Rhododendron formosanum* induces autophagy via the inhibition of Akt/mTOR and activation of ERK1/2 in non-small cell lung carcinoma cells. **J Agr Food Chem**. 63: 10407–10417 (SCI: Impact factor: 4.192)
7. **Wang CM**, YM Hsu, YL Jhan, SJ Tsai, SX Lin, CH Su, CH Chou*. (2015) Structure elucidation of procyanidins isolated from *Rhododendron formosanum* and their anti-oxidative and anti-bacterial activities. **Molecules**. 20: 12787-12803 (SCI: Impact factor: 3.267)
8. Liu YL, CC Huang, JH Liu, CY Chou, SY Lin, IK Wang, JY Hsieh, GP Jong, CY Huang*, **CM Wang**. (2015) Hyperphosphate-induced myocardial hypertrophy through GATA4/NFAT3 signal pathway is attenuated by ERK inhibitor treatment. **Cardiorenal Med**. 5: 79-88 (SCI: Impact factor: 2.214)
9. Lin YC, JC Chang, SY Cheng, **CM Wang**, YL Jhan, IW Lo, YM Hsu, CC Liao, CC Hwang, CH Chou*. (2015) New bioactive chromanes from *Litchi chinensis* **J Agr Food Chem**. 63: 2472-2478. (SCI: Impact factor: 4.192)
10. **Wang CM***, ZY Wu, WY Shia, YJ Jhou, KC Tung, CL Shyu*. (2015) Complete genome sequence of *Campylobacter fetus* subsp. *testudinum* strain pet-3, isolated from a lizard (*Hydrosaurus pustulatus*). **Genome Announcements**. 3: e01420-14. (SCI: Impact factor: 0.99)
11. Way TD, SJ Tsai, **CM Wang**, CT Ho, CH Chou*. (2014) Chemical constituents of *Rhododendron formosanum* show pronounced growth inhibitory effect on non-small-cell lung carcinoma cells. **J Agr Food Chem**. 62: 875-884. (SCI: Impact factor: 4.192)
12. **Wang CM**, TC Li, YL Jhan, JH Weng, CH Chou*. (2013) The impact of microbial biotransformation of catechin in enhancing the allelopathic effects

of *Rhododendron formosanum*. **PLoS One**. 8(12): e85162. (SCI: Impact factor: 2.740)

13. **Wang CM**, YL Jhan, LS Yen, YH Su, CC Chang, YY Wu, CI Chang, SY Tsai, CH Chou*. (2013) The allelochemicals of litchi leaf and its potential as natural herbicide in weed control. **Allelopathy J**. 32: 157-174. (SCI: Impact factor: 1.275)
14. **Wang CM**, WY Shia, YJ Jhou, CL Shyu*. (2013) Occurrence and molecular characterization of reptilian *Campylobacter fetus* strains isolated in Taiwan. **Vet Microbiol**. 164: 64-76. (SCI: Impact factor: 3.030)
15. Cheng SY, **CM Wang**, HJ Chen, HL Cheng, YM Hsu, YC Lin, CH Chou*. (2013) Biological activities of oleanane triterpene derivatives obtained by chemical derivatization. **Molecules**. 18: 13003-13019. (SCI: Impact factor: 3.267)

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